



# Indiana Department of Education

Dr. Katie Jenner, Secretary of Education

To: Superintendents, Principals, School Leaders

From: Dana Calfee, STEM and Computer Science Specialist  
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Date: April 21, 2023

Subject: 2023- 2024 STEM Integration Grant Overview and Application

The 2023-2024 STEM Integration Grant is designed to improve elementary and secondary student achievement and participation in science, technology, engineering, and mathematics (STEM) learning experiences across Indiana. This grant opportunity will support schools interested in integrating STEM practices in alignment with [Indiana's Priorities for STEM Education](#) to:

- Refine STEM pedagogy with research-based practices;
- Develop STEM leaders and educators; and
- Increase access to STEM courses, programs, and resources.

Early and consistent access to STEM education promotes development of innovative problem solving skills, connects learning to STEM careers, and contributes to the development of Indiana students as the next generation of thinkers, creators, advocates, and entrepreneurs.

The 2023-2024 STEM Integration Grant is funded by appropriations from the Indiana General Assembly in the STEM Program Alignment Fund. Grant awards will be finalized following the conclusion of the 2023 legislative session.

**Program Description:** In order to achieve intended outcomes of Indiana's Priorities for STEM Education, the 2023-2024 STEM Integration Grant program funds may be used to support one or more of the following:

- K-12 training opportunities for three-dimensional teaching aligned with the newly prioritized Indiana Academic Standards for Science that will be presented to the State Board of Education for approval on Wednesday, June 7, 2023.
- K-12 training opportunities to integrate the newly prioritized Indiana Academic Standards for Mathematics, Science, and K-8 Computer Science that will be presented to the State Board of Education for approval on Wednesday, June 7, 2023.
- Administrator training on the role of engineering, technology, and mathematics as they relate to science and engineering practices, disciplinary core ideas, and crosscutting concepts to assist in supporting/leading educator implementation of STEM.
- Materials and curricular support for integrating one or more content areas into other disciplines (e.g., technology and mathematics in science units of study based on the



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- forementioned prioritized science standards).
- K-12 training opportunities in hands-on problem solving that connects engineering and design problems to physical computing solutions.
  - Development of a STEM leadership team with a mission to integrate and increase access to STEM opportunities, such as computer science, for underserved student populations.
  - K-12 training opportunities to develop a transdisciplinary STEM approach to solving community problems. Transdisciplinary STEM approaches embed learning in real-world problem solving that requires interconnected and interdependent knowledge across multiple disciplines.
  - Implementation of STEM pedagogy in non-STEM disciplines designed to increase STEM exposure for student populations underserved in traditional STEM classes.
  - Other efforts to provide high-quality, standards-aligned, integrated STEM learning experiences for students in grades K-12.

The grant will provide funding for programs impacting the 2023-2024 school year and beyond. Funds may be used for stipends, professional development/training, and the acquisition of instructional materials necessary to implement proposed activities that support Indiana's Priorities for STEM Education and the intent of the 2023-2024 STEM Integration Grant program. **Funds are not to be used for any other purpose outside of support for the 2023-2024 STEM Integration Grant program and may not be used to fund employee contracted salaries.**

**Amount of Grant Program Support:** STEM Integration Grants will award funds to public school corporations, charter schools, and accredited non-public schools for the 2023-2024 school year based on the funding allocation scale in the table below:

Number of Students Served	Maximum Allocation
< 1,000	\$25,000
1,000 - 1,999	\$50,000
2,000 - 9,999	\$75,000
10,000 +	\$100,000

**Priorities for Funding:** Funding shall be awarded to corporations, charter schools, and accredited non-public schools, with applications that include:

- Specific training aligned with research-based, integrated STEM pedagogical practices, such as interdisciplinary problem-based or inquiry-based learning;



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- The development of STEM leaders (teacher, building, or corporation) to support the sustainable implementation of integrated STEM education locally;
- The expansion of integrated STEM coursework and programs for students, specifically for racially and ethnically diverse student populations, economically disadvantaged students, and/or other locally identified student populations in need of support for integrated STEM learning; and
- Strong alignment with the mission, vision, and implementation of [Indiana's Priorities for STEM Education](#).

Further consideration will be given to applications from corporations and schools that:

- Serve students in grades PK-12;
- Aim to provide access to high-quality, research-based, integrated STEM education for all students in identified schools and grade levels;
- Provide a robust sustainability plan that includes scaling the impact of high-quality access to STEM education for all students in identified schools and grade-levels.

**Eligibility:** This competitive grant is open to all public school corporations, charter schools, and accredited non-public schools that meet the following criteria:

1. Agree to the 2023-2024 STEM Integration Grant [Statement of Assurances](#); and
2. Submit a sustainability plan for continued implementation after all grant funds are exhausted.

## **2023-2024 STEM Integration Grant Proposal Submission and Review:**

- Applicants must electronically submit to the Indiana Department of Education (IDOE) the full proposal including signatures of authorized corporation or school officials.
- Applicants must submit completed online proposals to IDOE by 4 p.m. ET on Wednesday, May 10, to be considered for funding.

2023-2024 STEM Integration Grant proposals must be submitted electronically in this [online application](#). Paper copies of grant applications will not be accepted. Grant application sections may be reviewed [here](#) in preparation for completing the application link above.

**Review Process:** All applications will be evaluated using the [STEM Integration Grant Rubric](#). Recipients will be selected based on merit and quality, as determined by points awarded for the criteria section and inclusion of all required information. This is a competitive grant program, and funds will be awarded to public school corporations, charter schools, and accredited non-public schools with proposals demonstrating a plan for successful, effective, and sustainable implementation consistent with the goals of [Indiana's Priorities for STEM Education](#).

## **Award Administration:**

- Notification and Award Conditions: The superintendent and/or principal will be notified of the status of the proposal by Friday, May 19, 2023.



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- Funds may be used from Saturday, July 1, 2023 through June 30, 2024.
- Reporting Requirements: Each eligible school corporation, charter school, or accredited non-public school receiving a grant will be required to report semi-annually (at a minimum) to IDOE regarding the progress in meeting the objectives and annual targets described in the proposal. Further information regarding reporting requirements and forms will be provided by IDOE. School corporations, charter schools, or other entities will be notified of any required in-person or virtual training or site visits.

For questions regarding the STEM Integration Grant process, please contact IDOE's [Office of Teaching and Learning](#).